

# COPY FOR CONTINUING APPLICATION

JUL 30 2001 3:14PM PTTC PALO ALTO

FAX NO. 7818621029 NO. 5270 P. 2. 02

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07/30/01

PATENT APPLICATION  
Docket No.: 18547-036730 (2719.2002-000)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Stephen P.A. Fodor, Michael L. Pirrung, Lubert Stryer and J. Leighton Read

Serial No.: 09/465,126 Group Art Unit: 1655

Filed: December 17, 1999 Examiner: Zitomer, S.

For: Very Large Scale Immobilized Polymer Synthesis

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>7/30/01</u>	<u>Denise Caredo</u>
Date	Signature
<u>Denise Caredo</u>	
Typed or printed name of person signing certificate	

## ASSOCIATE POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

An Associate Power of Attorney is hereby granted to Lisa M. Treannie, Registration No. 41,368, in the above-identified application.

Please send all correspondence to Lisa M. Treannie, Esq., Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, MA 02421-4799. Please direct all telephone calls to Lisa M. Treannie at (781) 861-6240.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

J. Liebeschuetz

By  
Joe Liebeschuetz  
Registration No. 37,505  
Telephone (650) 326-2400

Palo Alto, California 94301-1431  
Date: July 30, 2001

# COPY FOR CONTINUING APPLICATION

Attorney Docket No. 1000.2A1

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: ARRAYS OF MATERIALS ATTACHED TO A SUBSTRATE (as amended) the specification of which is attached hereto or X was filed on June 6, 1995 as Application No. 08/466,631 and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

### Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
			Yes No

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided in the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national PCT international filing date of this application:

Application No.	Date of Filing	Status
08/390,272	2/16/95	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/624,120	12/6/90	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
07/492,462	3/7/90	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/362,901	6/7/89	<input type="checkbox"/> Patented <input type="checkbox"/> Pending <input checked="" type="checkbox"/> Abandoned
08/456,887	6/1/95	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/954,646	9/30/92	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned
07/850,356	3/12/92	<input checked="" type="checkbox"/> Patented <input type="checkbox"/> Pending <input type="checkbox"/> Abandoned

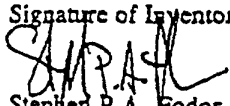
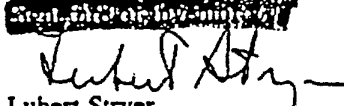
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute the application and transact all business in the Patent and Trademark Office connected therewith.

Vern Norviel, Reg. No. 32,483  
Nancy J. DeSantis, Reg. No. 37,608  
Joe Liebeschuetz, Reg. No. 37,505  
William M. Smith, Reg. No. 30,223

Send Correspondence to: AFFYMETRIX, INC. 3380 Central Expressway Santa Clara, CA 95051	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Nancy J. DeSantis Reg. No.: 37,608 Telephone: (408) 731-5000
---	---

Full Name of Inventor 1	Last Name FODOR	First Name STEPHEN	Middle Name or Initial P.A.	
Residence & Citizenship	City PALO ALTO	State/Foreign Country CA	Country of Citizenship US	
Post Office Address	Post Office Address 1120 Parklson	City Palo Alto	State/Country CA	Zip Code 94301
Full Name of Inventor 2	Last Name STRYER	First Name LUBERT	Middle Name or Initial	
Residence & Citizenship	City STANFORD	State/Foreign Country CA	Country of Citizenship US	
Post Office Address	Post Office Address 843 Sonoma Terrace	City Palo Alto	State/Country CA	Zip Code 94305
Full Name of Inventor 3	Last Name READ	First Name J.	Middle Name or Initial LEIGHTON	
Residence & Citizenship	City PALO ALTO	State/Foreign Country CA	Country of Citizenship US	
Post Office Address	Post Office Address 1001 Romona	City Palo Alto	State/Country CA	Zip Code 94301
Full Name of Inventor 4	Last Name PIRRUNG	First Name MICHAEL	Middle Name or Initial C.	
Residence & Citizenship	City DURHAM	State/Foreign Country NC	Country of Citizenship US	
Post Office Address	Post Office Address 3421 Cottonwood	City Durham	State/Country NC	Zip Code 27707

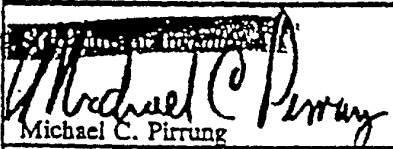
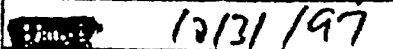
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Stephen P.A. Fodor	<del>Signature of Inventor 2</del>  Lubert Stryer	Signature of Inventor 3  J. Leighton Read
Date 19 October 1997	<del>Date</del> October 19, 1997	Date
Signature of Inventor 4  Michael C. Pirrung		
Date	Date	Date

DP:WP 2/94

1003495-12201

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3
Stephen P.A. Fodor	Lubert Stryer	J. Leighton Read
Date	Date	Date
 Michael C. Pirrung		
 12/31/97	Date	Date

100316-12301

Dr. WF 8/96

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1	Signature of Inventor 2	<del>Signature of Inventor 3</del>
Stephen P.A. Fodor	Lubert Stryer	J. Leighton Read
Date	Date	10/15/97
Signature of Inventor 4		
Michael C. Pirrung		
Date	Date	Date

DP-WP 8/96

# COF DECLARATION AND POWER OF ATTORNEY

DUY-20  
ATTORNEY DOCKET NO.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## IMPROVED POLYMER SYNTHESIS

the specification of which ☐ is attached hereto or ☒ was filed on December 6, 1990 as Application Serial No. 524,120 and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a). I claim foreign priority benefits under Title 35, United States Code, §112 or any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			Yes <input type="checkbox"/> No <input type="checkbox"/>
			Yes <input type="checkbox"/> No <input type="checkbox"/>

I claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	DATE OF FILING	STATUS
492,462	March 7, 1990	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
362,901	June 7, 1989	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) who are partners and associates in the firm of Townsend and Townsend to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

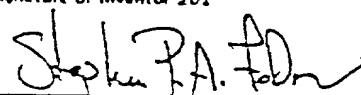

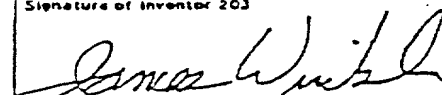
Vern Norviel, Reg. No. 32,483

William M. Smith, Reg. No. 30,223

SEND CORRESPONDENCE TO: Vern Norviel TOWNSEND and TOWNSEND Steuart Street Tower, One Market Plaza San Francisco, CA 94105	DIRECT TELEPHONE CALLS TO: (name, registration number, and telephone number) Vern Norviel, Reg. No. 32,483 <input type="checkbox"/> (415) 543-9600 or <input checked="" type="checkbox"/> (415) 326-2400
--	---

201	FULL NAME OF INVENTOR	Last Name <b>FODOR</b>	First Name <b>STEPHEN</b>	Middle Name or Initial <b>P.A.</b>
	RESIDENCE & CITIZENSHIP	City <b>Palo Alto</b>	State or Foreign Country <b>California</b>	Country of Citizenship <b>U.S.A.</b>
	POST OFFICE ADDRESS	Post Office Address <b>3863 Nathan Way,</b>	City <b>Palo Alto,</b>	State or Country <b>California</b>
			Zip Code <b>94303</b>	
202	FULL NAME OF INVENTOR	Last Name <b>STRYER</b>	First Name <b>LUBERT</b>	Middle Name or Initial <b>—</b>
	RESIDENCE & CITIZENSHIP	City <b>Stanford</b>	State or Foreign Country <b>California</b>	Country of Citizenship <b>U.S.A.</b>
	POST OFFICE ADDRESS	Post Office Address <b>843 Sonoma Terrace,</b>	City <b>Stanford,</b>	State or Country <b>California</b>
			Zip Code <b>94305</b>	
203	FULL NAME OF INVENTOR	Last Name <b>WINKLER</b>	First Name <b>JAMES</b>	Middle Name or Initial <b>L.</b>
	RESIDENCE & CITIZENSHIP	City <b>Palo Alto</b>	State or Foreign Country <b>California</b>	Country of Citizenship <b>U.S.A.</b>
	POST OFFICE ADDRESS	Post Office Address <b>2140 Ash Street,</b>	City <b>Palo Alto,</b>	State or Country <b>California</b>
			Zip Code <b>94306</b>	

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 201 	Signature of Inventor 202 	Signature of Inventor 203 
Date <u>12/10/90</u>	Date <u>12/10/90</u>	Date <u>12/10/90</u>

# DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## IMPROVED POLYMER SYNTHESIS

the specification of which ☐ is attached hereto or ☒ was filed on December 6, 1990 as Application Serial No. 624,223 and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 51.56(a). I claim foreign priority benefits under Title 35, United States Code, 5119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

### Prior Foreign Application(s)

COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			Yes _____ No _____
			Yes _____ No _____

I claim the benefit under Title 35, United States Code, 5120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 5112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 51.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	DATE OF FILING	STATUS
492,462	March 7, 1990	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned
362,901	June 7, 1989	<input type="checkbox"/> Patented <input checked="" type="checkbox"/> Pending <input type="checkbox"/> Abandoned

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) who are partners and associates in the firm of Townsend and Townsend to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Vern Norviel, Reg. No. 32,483  
William M. Smith, Reg. No. 30,223

SEND CORRESPONDENCE TO: Vern Norviel TOWNSEND and TOWNSEND Steuart Street Tower, One Market Plaza San Francisco, CA 94105	DIRECT TELEPHONE CALLS TO: (name, registration number, and telephone number) Vern Norviel, Reg. No. 32,483 <input type="checkbox"/> (415) 543-9600 or <input checked="" type="checkbox"/> (415) 326-2400
---	---

201	FULL NAME OF INVENTOR	Last Name <b>HOLMES</b>	First Name <b>CHRISTOPHER</b>	Middle Name or Initial <b>P.</b>
	RESIDENCE & CITIZENSHIP	City <b>Sunnyvale</b>	State or Foreign Country <b>California</b>	Country of Citizenship <b>U.S.A.</b>
	POST OFFICE ADDRESS	Post Office Address <b>521 Pine Avenue,</b>	City <b>Sunnyvale,</b>	State or Country <b>California</b>
			Zip Code <b>94086</b>	
202	FULL NAME OF INVENTOR	Last Name <b>SOLAS</b>	First Name <b>DENNIS</b>	Middle Name or Initial <b>W.</b>
	RESIDENCE & CITIZENSHIP	City <b>San Francisco</b>	State or Foreign Country <b>California</b>	Country of Citizenship <b>U.S.A.</b>
	POST OFFICE ADDRESS	Post Office Address <b>50 Gardenside Dr., #13, San Francisco,</b>	City <b>San Francisco,</b>	State or Country <b>California</b>
			Zip Code <b>94131</b>	
203	FULL NAME OF INVENTOR	Last Name	First Name	Middle Name or Initial
	RESIDENCE & CITIZENSHIP	City	State or Foreign Country	Country of Citizenship
	POST OFFICE ADDRESS	Post Office Address	City	State or Country
			Zip Code	

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 201 <i>Christopher P. Holmes</i>	Signature of Inventor 202 <i>Dennis W. Solas</i>	Signature of Inventor 203
Date <i>1/25/91</i>	Date <i>1/24/91</i>	Date